



Product Technical Data Sheet
Cinema System 50

Description

The Cinema System 50 is a full range passive screen channel cinema loudspeaker for small auditoriums.

The System 50 high frequency section features a high performance PRD500 planar ribbon transducer designed and manufactured by SLS Loudspeakers. The unique design and properties of the planar ribbon driver delivers fast transient accuracy as well as an exceptionally smooth high frequency response. Also the unique properties of the planer ribbon driver delivers more direct sound to the audience even with screen spreading.

The passive crossover network includes audiophile grade air core inductors and polypropylene capacitors and allows for single amp channel operation per screen channel.



Key Features:

- PRD500 ribbon high frequency line driver delivers unsurpassed sound quality
- Open and clear sound at high SPL due to advanced transducer technology in all bandwidth sections
- 90 x 40 degree dispersion pattern (not including screen scattering)
- ¾" 13 ply Baltic Birch cabinet construction
- Included U-Bracket for easy installation and aiming

Product Specifications	
Operating Range	42Hz - 30,000Hz
Sensitivity (1W/1M) ¹	98dB
Horizontal Coverage Angle -6dB ²	90 Degrees
Vertical Coverage Angle -6dB ²	40 Degrees
Power Handling ³	400W RMS (56.6 Volts) AES/2
Max SPL (calculated) 1 Meter	124dB Cont. / 130dB Peak
Recommended Amp Power for Max Output	800 Watts @ 8 ohms
Nominal Impedance	8 Ohms
Crossover Frequency	Passive
Transducers - Low Freq.	12" Woofer
High Freq.	PRD500 Ribbon
Input	Barrier Strips
Dimensions	27.4" (69.5cm) H
	14.7" (37.3cm) W
	10.5" (26.6cm) D
Enclosure	13ply Baltic Birch
Weight	55lbs (25kg) Shipping 71lbs (32.2kg)
Rigging	U-Bracket for attachment to structure
Finish	Flat Black Latex

Applications

Developed for high performance cinema applications where the highest quality and intelligibility of sound is required

- Behind Screen LCR

1. Full bandwidth pink noise is applied and amplified to a level and measured at the loudspeaker terminals - corresponding to 1 Watt as referenced to the loudspeakers nominal impedance. SPL is measured in an anechoic environment in the loudspeakers far field. Data is extrapolated to 1 Meters distance from the loudspeaker.
2. Averaged from 500Hz to 8kHz
3. AES established with ambient temperature at 22C in accordance with AES/2-1984 standard.



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Cinema System 50 Drawings

